

(FILE 'HOME' ENTERED AT 12:20:33 ON 26 SEP 2001)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 12:21:01 ON 26 SEP 2001

L1 1269 S R6K AND PLASMID
L2 117 S L1 AND PIR GENE
L3 82 S L2 AND ESCHERICHIA COLI
L4 77 S L3 AND REPLICATION
L5 0 S L4 AND TRANSFER GENE?
L6 0 S L4 AND F GENE

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L4 ANSWER 1 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:292227 BIOSIS
DOCUMENT NUMBER: PREV199598306527
TITLE: Removal of dam methylation stimulates **plasmid R6K** gamma origin **replication**: Regulation by **pir gene** expression.
AUTHOR(S): Scott, David L.; Clark, Clarence W.
CORPORATE SOURCE: Morehouse Coll., Atlanta, GA 30314 USA
SOURCE: Abstracts of the General Meeting of the American Society for Microbiology, (1995) Vol. 95, No. 0, pp. 514.
Meeting Info.: 95th General Meeting of the American Society for Microbiology Washington, D.C., USA May 21-25, 1995
ISSN: 1060-2011.
DOCUMENT TYPE: Conference
LANGUAGE: English

L4 ANSWER 2 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:26219 BIOSIS
DOCUMENT NUMBER: PREV199598040519
TITLE: Cooperative binding of initiator protein to **replication** origin conferred by single amino acid substitution.
AUTHOR(S): Filutowicz, Marcin (1); York, Dona; Levchenko, Igor
CORPORATE SOURCE: (1) Dep. Bacteriol., Univ. Wisconsin, Madison, WI 53706 USA
SOURCE: Nucleic Acids Research, (1994) Vol. 22, No. 20, pp. 4211-4215.
ISSN: 0305-1048.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 3 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:20145 BIOSIS
DOCUMENT NUMBER: PREV199598034445
TITLE: Binding of DnaA protein to a **replication** enhancer counteracts the inhibition of **plasmid R6K** gamma origin **replication** mediated by elevated levels of **R6K pi** protein.
AUTHOR(S): Wu, Frank; Levchenko, Igor; Filutowicz, Marcin (1)
CORPORATE SOURCE: (1) Dep. Bacteriol., E.B. Fred Hall, Univ. Wis.-Madison, 1550 Linden Drive, Madison, WI 53706 USA
SOURCE: Journal of Bacteriology, (1994) Vol. 176, No. 22, pp. 6795-6801.
ISSN: 0021-9193.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 4 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1994:176709 BIOSIS
DOCUMENT NUMBER: PREV199497189709
TITLE: Use of the rep technique for allele replacement to construct new **Escherichia coli** hosts

for maintenance of **R6K**-gamma origin
plasmids at different copy numbers.
AUTHOR(S): Metcalf, William W.; Jiang, Weihong; Wanner, Barry L. (1)
CORPORATE SOURCE: (1) Dep. Biol. Sci., Purdue Univ., West Lafayette, IN 47907
USA
SOURCE: Gene (Amsterdam), (1994) Vol. 138, No. 1-2, pp. 1-7.
ISSN: 0378-1119.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 5 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:581547 BIOSIS
DOCUMENT NUMBER: PREV199497000917
TITLE: Autoregulation-deficient mutant of the **plasmid**
R6K-encoded pi protein distinguishes between
palindromic and nonpalindromic binding sites.
AUTHOR(S): York, Dona; Filutowicz, Marcin (1)
CORPORATE SOURCE: (1) Dep. Bacteriology, E.B. Fred Hall, 1550 Linden Dr.,
Univ. Wisconsin, Madison, WI 53706 USA
SOURCE: Journal of Biological Chemistry, (1993) Vol. 268, No. 29,
pp. 21854-21861.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 6 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:228209 BIOSIS
DOCUMENT NUMBER: PREV199395119384
TITLE: New suicide vector for gene replacement in yersiniae and
other gram-negative bacteria.
AUTHOR(S): Skrzypek, Elzbieta; Haddix, Pryce L.; Plano, Gregory V.;
Straley, Susan C. (1)
CORPORATE SOURCE: (1) Dep. Microbiology Immunology, Chandler Med. Center,
Univ. Kentucky, Lexington, Kentucky 40536-0084
SOURCE: Plasmid, (1993) Vol. 29, No. 2, pp. 160-163.
ISSN: 0147-619X.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 7 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:94510 BIOSIS
DOCUMENT NUMBER: PREV199395049706
TITLE: A small **plasmid** for recombination-based
screening.
AUTHOR(S): Hanzlik, Andrzej J.; Osemlak-Hanzlik, Malgorzata M.;
Kurnit, David M. (1)
CORPORATE SOURCE: (1) Howard Hughes Med. Inst., Univ. Mich. Med. Cent., 1150
W. Medical Center Dr., Ann Arbor, Mich. 48109-0650
SOURCE: Gene (Amsterdam), (1992) Vol. 122, No. 1, pp. 171-174.
ISSN: 0378-1119.
DOCUMENT TYPE: Article
LANGUAGE: English

L4 ANSWER 8 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1992:272518 BIOSIS
DOCUMENT NUMBER: BR42:131468
TITLE: MULTIPLE TRANSLATIONAL OPTIONS FOR THE **PIR**
GENE WHICH ENCODES PI THE **REPLICATION**
INITIATOR PROTEIN OF **PLASMID R6K**.
AUTHOR(S): YORK D; HOFFMAN J; GAN J; FILUTOWICZ M
CORPORATE SOURCE: DEP. BACTERIOL., UNIV. WISCONSIN, MADISON, WIS. 53706.
SOURCE: KEYSTONE SYMPOSIUM ON MOLECULAR MECHANISMS IN DNA
REPLICATION AND RECOMBINATION, TAOS, NEW MEXICO, USA,
JANUARY 25-FEBRUARY 1, 1992. J CELL BIOCHEM SUPPL, (1992) 0

(16 PART B), 56.

CODEN: JCBSD7.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L4 ANSWER 9 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1992:239261 BIOSIS
DOCUMENT NUMBER: BA93:127286
TITLE: ROLES OF A 106-BP ORIGIN ENHANCER AND **ESCHERICHIA**
-COLI DNAA PROTEIN IN **REPLICATION** OF
PLASMID R6K.
AUTHOR(S): WU F; GOLDBERG I; FILUTOWICZ M
CORPORATE SOURCE: DEP. BACTERIOLOGY, 1550 LINDEN DRIVE, UNIVERSITY WISCONSIN,
MADISON, WIS. 53706, USA.
SOURCE: NUCLEIC ACIDS RES, (1992) 20 (4), 811-817.
CODEN: NARHAD. ISSN: 0305-1048.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 10 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1987:145944 BIOSIS
DOCUMENT NUMBER: BA83:74994
TITLE: POSITIVE AND NEGATIVE ROLES OF AN INITIATOR PROTEIN AT AN
ORIGIN OF **REPLICATION.**
AUTHOR(S): FILUTOWICZ M; MCEACHERN M J; HELINSKI D R
CORPORATE SOURCE: DEP. BIOLOGY, UNIV. CALIFORNIA, SAN DIEGO, LA JOLLA, CA
92093.
SOURCE: PROC NATL ACAD SCI U S A, (1986 (RECD 1987)) 83 (24),
9645-9649.
CODEN: PNASA6. ISSN: 0027-8424.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 11 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1986:396787 BIOSIS
DOCUMENT NUMBER: BA82:82267
TITLE: **REPLICATION** FROM ONE OF THREE ORIGINS OF THE
PLASMID R-6K REQUIRES COUPLED EXPRESSION OF TWO
PLASMID-ENCODED PROTEINS.
AUTHOR(S): MUKHOPADHYAY P; FILUTOWICZ M; HELINSKI D R
CORPORATE SOURCE: DEP. BIOL., UNIV. CALIF SAN DIEGO, LA JOLLA, CA 92093.
SOURCE: J BIOL CHEM, (1986) 261 (20), 9534-9539.
CODEN: JBCHA3. ISSN: 0021-9258.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 12 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1986:200421 BIOSIS
DOCUMENT NUMBER: BA81:91721
TITLE: BINDING OF PURIFIED WILD-TYPE AND MUTANT PI INITIATION
PROTEINS TO A **REPLICATION** ORIGIN REGION OF
PLASMID R-6K.
AUTHOR(S): FILUTOWICZ M; UHLENHOPP E; HELINSKI D R
CORPORATE SOURCE: DEP. BIOL., B-022 UNIV. CALIF., SAN DIEGO, LA JOLLA, CA
92093, USA.
SOURCE: J MOL BIOL, (1986) 187 (2), 225-240.
CODEN: JMOBAK. ISSN: 0022-2836.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 13 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1984:209988 BIOSIS
DOCUMENT NUMBER: BA77:42972

TITLE: RELEASE OF INITIATION CONTROL BY A MUTATIONAL ALTERATION IN THE R-6K PI PROTEIN REQUIRED FOR **PLASMID** DNA **REPLICATION**.

AUTHOR(S): STALKER D M; FILUTOWICZ M; HELINSKI D R
CORPORATE SOURCE: CALGENE, INC., 1910 FIFTH ST., SUITE F, DAVIS, CA 59616.
SOURCE: PROC NATL ACAD SCI U S A, (1983) 80 (18), 5500-5504.
CODEN: PNASA6. ISSN: 0027-8424.

FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 14 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1983:230077 BIOSIS
DOCUMENT NUMBER: BA75:80077
TITLE: **PLASMID** R-6K DNA **REPLICATION** 3.
REGULATORY PROPERTIES OF THE PI INITIATION PROTEIN.

AUTHOR(S): SHAFFERMAN A; KOLTER R; STALKER D; HELINSKI D R
CORPORATE SOURCE: ISRAEL INST. BIOL. RES. NESS-ZIONA, POB 19, 70450 ISRAEL.
SOURCE: J MOL BIOL, (1982) 161 (1), 57-76.
CODEN: JMOBAK. ISSN: 0022-2836.

FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 15 OF 77 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1983:230075 BIOSIS
DOCUMENT NUMBER: BA75:80075
TITLE: **PLASMID** R-6K DNA **REPLICATION** 1.
COMPLETE NUCLEOTIDE SEQUENCE OF AN AUTONOMOUSLY REPLICATING SEGMENT.

AUTHOR(S): STALKER D M; KOLTER R; HELINSKI D R
CORPORATE SOURCE: DEP. BIOL., UNIV. CALIF., SAN DIEGO, LA JOLLA, CA 92093, USA.
SOURCE: J MOL BIOL, (1982) 161 (1), 33-44.
CODEN: JMOBAK. ISSN: 0022-2836.

FILE SEGMENT: BA; OLD
LANGUAGE: English

L4 ANSWER 16 OF 77 CABA COPYRIGHT 2001 CABI
ACCESSION NUMBER: 94:97732 CABA
DOCUMENT NUMBER: 940503325
TITLE: New suicide vector for gene replacement in yersiniae and other gram-negative bacteria

AUTHOR: Skrzypek, E.; Haddix, P. L.; Plano, G. V.; Straley, S. C.
CORPORATE SOURCE: Department of Microbiology and Immunology, Chandler Medical Center, University of Kentucky, Lexington, KY 40536-0084, USA.
SOURCE: Plasmid, (1993) Vol. 29, No. 2, pp. 160-163. 14 ref.
ISSN: 0147-619X
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 17 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:286408 CAPLUS
DOCUMENT NUMBER: 126:260154
TITLE: **Plasmids** with conditional origin of **replication**, method for preparing same and use thereof in gene therapy

INVENTOR(S): Crouzet, Joel; Soubrier, Fabienne
PATENT ASSIGNEE(S): Rhone-Poulenc Rorer S.A., Fr.; Crouzet, Joel; Soubrier, Fabienne
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9710343	A1	19970320	WO 1996-FR1414	19960913
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
FR 2738842	A1	19970321	FR 1995-10825	19950915
FR 2738842	B1	19971031		
ZA 9607640	A	19970325	ZA 1996-7640	19960910
CA 2229307	AA	19970320	CA 1996-2229307	19960913
AU 9669924	A1	19970401	AU 1996-69924	19960913
AU 728231	B2	20010104		
EP 850310	A1	19980701	EP 1996-931124	19960913
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
BR 9610511	A	19990126	BR 1996-10511	19960913
JP 2000501281	T2	20000208	JP 1997-511716	19960913
NO 9801044	A	19980310	NO 1998-1044	19980310
US 2001014476	A1	20010816	US 1998-43193	19980313
PRIORITY APPLN. INFO.:				
			FR 1995-10825	A 19950915
			WO 1996-FR1414	W 19960913

L4 ANSWER 18 OF 77 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1995:213230 CAPLUS
 DOCUMENT NUMBER: 122:25257
 TITLE: Binding of DnaA protein to a **replication** enhancer counteracts the inhibition of **plasmid R6K** .gamma. origin **replication** mediated by elevated levels of **R6K** .pi. protein
 AUTHOR(S): Wu, Frank; Levchenko, Igor; Filutowicz, Marcin
 CORPORATE SOURCE: Dep. Bacteriol., Univ. Wisconsin, Madison, WI, 53706, USA
 SOURCE: J. Bacteriol. (1994), 176(22), 6795-801
 CODEN: JOBAAY; ISSN: 0021-9193
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L4 ANSWER 19 OF 77 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1994:184217 CAPLUS
 DOCUMENT NUMBER: 120:184217
 TITLE: Use of the rep technique for allele replacement to construct new **Escherichia coli** hosts for maintenance of **R6K**.gamma. origin **plasmids** at different copy numbers
 AUTHOR(S): Metcalf, William W.; Jiang, Weihong; Wanner, Barry L.
 CORPORATE SOURCE: Dep. Biol. Sci., Purdue Univ., West Lafayette, IN, 47907, USA
 SOURCE: Gene (1994), 138(1-2), 1-7
 CODEN: GENED6; ISSN: 0378-1119
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L4 ANSWER 20 OF 77 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1993:553267 CAPLUS
 DOCUMENT NUMBER: 119:153267
 TITLE: Autoregulation-deficient mutant of the **plasmid R6K**-encoded .pi. protein distinguishes between

AUTHOR(S): palindromic and nonpalindromic binding sites
York, Dona; Filutowicz, Marcin
CORPORATE SOURCE: Dep. Bacteriol., Univ. Wisconsin, Madison, WI, 53706,
USA
SOURCE: J. Biol. Chem. (1993), 268(29), 21854-61
CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 21 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:206916 CAPLUS
DOCUMENT NUMBER: 118:206916
TITLE: New suicide vector for gene replacement in Yersinia
and other Gram-negative bacteria
AUTHOR(S): Skrzypek, Elzbieta; Haddix, Pryce L.; Plano, Gregory
V.; Straley, Susan C.
CORPORATE SOURCE: Chandler Med. Cent., Univ. Kentucky, Lexington, KY,
40536-0084, USA
SOURCE: Plasmid (1993), 29(2), 160-3
CODEN: PLSMDX; ISSN: 0147-619X
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 22 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:189083 CAPLUS
DOCUMENT NUMBER: 116:189083
TITLE: Roles of a 106-bp origin enhancer and
Escherichia coli DnaA protein in
replication of plasmid R6K
AUTHOR(S): Wu, Frank; Goldberg, Ilya; Filutowicz, Marcin
CORPORATE SOURCE: Dep. Bacteriol., Univ. Wisconsin, Madison, WI, 53706,
USA
SOURCE: Nucleic Acids Res. (1992), 20(4), 811-17
CODEN: NARHAD; ISSN: 0305-1048
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 23 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1987:61902 CAPLUS
DOCUMENT NUMBER: 106:61902
TITLE: Positive and negative roles of an initiator protein at
an origin of **replication**
AUTHOR(S): Filutowicz, Marcin; McEachern, Michael J.; Helinski,
Donald R.
CORPORATE SOURCE: Dep. Biol., Univ. California, San Diego, La Jolla, CA,
92093, USA
SOURCE: Proc. Natl. Acad. Sci. U. S. A. (1986), 83(24), 9645-9
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 24 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1986:123953 CAPLUS
DOCUMENT NUMBER: 104:123953
TITLE: Binding of purified wild-type and mutant .pi.
initiation proteins to a **replication** origin
region of **plasmid R6K**
AUTHOR(S): Filutowicz, Marcin; Uhlenhopp, Elliott; Helinski,
Donald R.
CORPORATE SOURCE: Dep. Biol., Univ. California, San Diego, La Jolla, CA,
92093, USA
SOURCE: J. Mol. Biol. (1986), 187(2), 225-39
CODEN: JMOBAK; ISSN: 0022-2836
DOCUMENT TYPE: Journal

LANGUAGE: English

L4 ANSWER 25 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1983:570460 CAPLUS
DOCUMENT NUMBER: 99:170460
TITLE: Release of initiation control by a mutational alteration in the **R6K** .pi. protein required for **plasmid DNA replication**
AUTHOR(S): Stalker, David M.; Filutowicz, Marcin; Helinski, Donald R.
CORPORATE SOURCE: Dep. Biol., Univ. California, San Diego, La Jolla, CA, 92093, USA
SOURCE: Proc. Natl. Acad. Sci. U. S. A. (1983), 80(18), 5500-4
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 26 OF 77 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1983:28700 CAPLUS
DOCUMENT NUMBER: 98:28700
TITLE: **Plasmid R6K DNA replication**. I. Complete nucleotide sequence of an autonomously replicating segment
AUTHOR(S): Stalker, David M.; Kolter, Roberto; Helinski, Donald R.
CORPORATE SOURCE: Dep. Biol., Univ. California, La Jolla, CA, 92093, USA
SOURCE: J. Mol. Biol. (1982), 161(1), 33-43
CODEN: JMOBAK; ISSN: 0022-2836
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 27 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 1998004937 EMBASE
TITLE: Two forms of **replication** initiator protein: Positive and negative controls.
AUTHOR: Wu J.; Sektas M.; Chen D.; Filutowicz M.
CORPORATE SOURCE: M. Filutowicz, Department of Bacteriology, E. B. Fred Hall, University of Wisconsin, 1550 Linden Drive, Madison, WI 53706, United States. msfiluto@facstaff.wisc.edu
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1997) 94/25 (13967-13972).
Refs: 51
ISSN: 0027-8424 CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 28 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 94355940 EMBASE
DOCUMENT NUMBER: 1994355940
TITLE: Binding of DnaA protein to a **replication** enhancer counteracts the inhibition of **plasmid R6K** .gamma. origin **replication** mediated by elevated levels of **R6K** .pi. protein.
AUTHOR: Wu F.; Levchenko I.; Filutowicz M.
CORPORATE SOURCE: Dept. of Bacteriology, E. B. Fred Hall, University of Wisconsin, 1550 Linden Dr., Madison, WI 53706, United States
SOURCE: Journal of Bacteriology, (1994) 176/22 (6795-6801).
ISSN: 0021-9193 CODEN: JOBAAY
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology

029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 29 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 94081124 EMBASE
DOCUMENT NUMBER: 1994081124
TITLE: Use of the rep technique for allele replacement to
construct new **Escherichia coli** hosts
for maintenance of **R6K**.gamma. origin
plasmids at different copy numbers.
AUTHOR: Metcalf W.W.; Jiang W.; Wanner B.L.
CORPORATE SOURCE: Department of Biological Sciences, Purdue University, West
Lafayette, IN 47907, United States
SOURCE: Gene, (1994) 138/1-2 (1-7).
ISSN: 0378-1119 CODEN: GENED6
COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 30 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93320702 EMBASE
DOCUMENT NUMBER: 1993320702
TITLE: Autoregulation-deficient mutant of the **plasmid**
R6K-encoded .pi. protein distinguishes between
palindromic and nonpalindromic binding sites.
AUTHOR: York D.; Filutowicz M.
CORPORATE SOURCE: Dept. of Bacteriology, E. B. Fred Hall, University of
Wisconsin, 1550 Linden Dr., Madison, WI 53706, United States
SOURCE: Journal of Biological Chemistry, (1993) 268/29
(21854-21861).
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 31 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93112222 EMBASE
DOCUMENT NUMBER: 1993112222
TITLE: New suicide vector for gene replacement in *Yersinia* and
other Gram-negative bacteria.
AUTHOR: Skrzypek E.; Haddix P.L.; Plano G.V.; Straley S.C.
CORPORATE SOURCE: Department Microbiology/Immunology, Chandler Medical
Center, University of Kentucky, Lexington, KY 40536-0084,
United States
SOURCE: Plasmid, (1993) 29/2 (160-163).
ISSN: 0147-619X CODEN: PLSMDX
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 32 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 92093145 EMBASE
DOCUMENT NUMBER: 1992093145
TITLE: Roles of a 106-bp origin enhancer and **Escherichia**
coli DnaA protein in **replication** of
plasmid R6K.
AUTHOR: Wu F.; Goldberg I.; Filutowicz M.

CORPORATE SOURCE: Department of Bacteriology, University of Wisconsin, 1550
Linden Drive, Madison, WI 53706, United States
SOURCE: Nucleic Acids Research, (1992) 20/4 (811-817).
ISSN: 0305-1048 CODEN: NARHAD
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 33 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 87078168 EMBASE
DOCUMENT NUMBER: 1987078168
TITLE: Positive and negative roles of an initiator protein at an
origin of **replication**.
AUTHOR: Filutowicz M.; McEachern M.J.; Helinski D.R.
CORPORATE SOURCE: Department of Biology, University of California, San Diego,
La Jolla, CA 92093, United States
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America, (1986) 83/24 (9645-9649).
CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 022 Human Genetics
004 Microbiology
LANGUAGE: English

L4 ANSWER 34 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 87050100 EMBASE
DOCUMENT NUMBER: 1987050100
TITLE: **Replication** from one of the three origins of the
plasmid R6K requires coupled expression
of two **plasmid**-encoded proteins.
AUTHOR: Mukhopadhyay P.; Filutowicz M.; Helinski D.R.
CORPORATE SOURCE: Department of Biology, University of California at San
Diego, La Jolla, CA 92093, United States
SOURCE: Journal of Biological Chemistry, (1986) 261/20 (9534-9539).
CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
LANGUAGE: English

L4 ANSWER 35 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 86215723 EMBASE
DOCUMENT NUMBER: 1986215723
TITLE: Binding of purified wild-type and mutant .pi. initiation
proteins to a **replication** origin region of
plasmid R6K.
AUTHOR: Filutowicz M.; Uhlenhopp E.; Helinski D.R.
CORPORATE SOURCE: Department of Biology, B-022 University of California, San
Diego, La Jolla, CA 92093, United States
SOURCE: Journal of Molecular Biology, (1986) 187/2 (225-239).
CODEN: JMOBAK
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
022 Human Genetics
LANGUAGE: English

L4 ANSWER 36 OF 77 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 84017824 EMBASE
DOCUMENT NUMBER: 1984017824
TITLE: Release of initiation control by a mutational alteration in

the **R6K** .pi. protein required for **plasmid DNA replication**.
AUTHOR: Stalker D.M.; Filutowicz M.; Helinski D.R.
CORPORATE SOURCE: Department of Biology, University of California at San Diego, La Jolla, CA 92093, United States
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1983) 80/181 (5500-5504).
CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
004 Microbiology
LANGUAGE: English

L4 ANSWER 37 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 96:108376 LIFESCI
TITLE: Preponderance of Fis-binding sites in the **R6K** gamma origin and the curious effect of the penicillin resistance marker on **replication** of this origin in the absence of Fis

AUTHOR: Wu, F.; Wu, J.; Ehley, J.; Filutowicz, M.*
CORPORATE SOURCE: Dep. Bacteriology, E. B. Fred Hall, Univ. Wisconsin-Madison, 1550 Linden Dr., Madison, WI 53706, USA
SOURCE: J. BACTERIOL., (1996) vol. 178, no. 16, pp. 4965-4974.
ISSN: 0021-9193.
DOCUMENT TYPE: Journal
FILE SEGMENT: J; G
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 38 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 94:48827 LIFESCI
TITLE: New suicide vector for gene replacement in Yersinia and other gram-negative bacteria

AUTHOR: Skrzypek, E.; Haddix, P.L.; Plano, G.V.; Straley, S.C.*
CORPORATE SOURCE: Dep. Microbiol. and Immunol., Chandler Med. Cent., Univ. Kentucky, Lexington, KY 40536-0084, USA
SOURCE: PLASMID, (1993) vol. 29, no. 2, pp. 160-163.
ISSN: 0147-619X.
DOCUMENT TYPE: Journal
FILE SEGMENT: J; G
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 39 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 94:3729 LIFESCI
TITLE: Autoregulation-deficient mutant of the **plasmid R6K**-encoded pi protein distinguishes between palindromic and nonpalindromic binding sites.

AUTHOR: York, D.; Filutowicz, M.
CORPORATE SOURCE: Dep. Bacteriol., E. B. Fred Hall, 1550 Linden Dr., Univ. Wisconsin, Madison, WI 53706, USA
SOURCE: J. BIOL. CHEM., (1993) vol. 268, no. 29, pp. 21854-21861.
ISSN: 0021-9258.
DOCUMENT TYPE: Journal
FILE SEGMENT: N; J
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 40 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 93:69792 LIFESCI
TITLE: Roles of a 106-bp origin enhancer and **Escherichia coli** DnaA protein in **replication** of **plasmid R6K**.

AUTHOR: Wu, F.; Goldberg, I.; Filutowicz, M.
CORPORATE SOURCE: Dep. Bacteriol., 1550 Linden Dr., Univ. Wisconsin, Madison, WI 53706, USA
SOURCE: NUCLEIC ACIDS RES., (1992) vol. 20, no. 4, pp. 811-817.
DOCUMENT TYPE: Journal
FILE SEGMENT: N; J
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 41 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 86:66288 LIFESCI
TITLE: Positive and negative roles of an initiator protein at an origin of **replication**.
AUTHOR: Filutowicz, M.; McEachern, M.J.; Helinski, D.R.
CORPORATE SOURCE: Dep. Biol., Univ. California at San Diego, La Jolla, CA 92093, USA
SOURCE: PROC. NATL. ACAD. SCI. USA., (1986) vol. 83, no. 24, pp. 9645-9649.
DOCUMENT TYPE: Journal
FILE SEGMENT: J; G; N
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 42 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 86:3374 LIFESCI
TITLE: Binding of purified wild-type and mutant pi initiation proteins to a **replication** origin region of **plasmid R6K**.
AUTHOR: Filutowicz, M.; Uhlenhopp, E.; Helinski, D.R.
CORPORATE SOURCE: Dep. Biol., B-022, Univ. California at San Diego, La Jolla, CA 92093, USA
SOURCE: J. MOL. BIOL., (1986) vol. 187, no. 2, pp. 225-239.
DOCUMENT TYPE: Journal
FILE SEGMENT: J; N; G
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 43 OF 77 LIFESCI COPYRIGHT 2001 CSA
ACCESSION NUMBER: 83:49097 LIFESCI
TITLE: Release of initiation control by a mutational alteration in the **R6K** pi protein required for **plasmid** DNA **replication**.
AUTHOR: Stalker, D.M.; Filutowicz, M.; Helinski, D.R.
CORPORATE SOURCE: Calgene, Inc., 1910 Fifth St., Suite F, Davis, CA 95616, USA
SOURCE: PROC. NATL. ACAD. SCI. USA., (1983) vol. 80, no. 18, pp. 5500-5504.
DOCUMENT TYPE: Journal
FILE SEGMENT: N; G; J
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 44 OF 77 MEDLINE
ACCESSION NUMBER: 1998054344 MEDLINE
DOCUMENT NUMBER: 98054344 PubMed ID: 9391136
TITLE: Two forms of **replication** initiator protein: positive and negative controls.
AUTHOR: Wu J; Sektas M; Chen D; Filutowicz M
CORPORATE SOURCE: Department of Bacteriology, University of Wisconsin, Madison, WI 53706, USA.
CONTRACT NUMBER: GM39715 (NIGMS)
GM40314 (NIGMS)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 Dec 9) 94 (25) 13967-72.

PUB. COUNTRY: Journal code: PV3; 7505876. ISSN: 0027-8424.
United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199801
ENTRY DATE: Entered STN: 19980129
Last Updated on STN: 19980129
Entered Medline: 19980115

L4 ANSWER 45 OF 77 MEDLINE
ACCESSION NUMBER: 95050245 MEDLINE
DOCUMENT NUMBER: 95050245 PubMed ID: 7961437
TITLE: Binding of DnaA protein to a **replication** enhancer
counteracts the inhibition of **plasmid R6K**
gamma origin **replication** mediated by elevated
levels of **R6K** pi protein.
AUTHOR: Wu F; Levchenko I; Filutowicz M
CORPORATE SOURCE: Department of Bacteriology, University of
Wisconsin--Madison 53706.
CONTRACT NUMBER: GM40314 (NIGMS)
SOURCE: JOURNAL OF BACTERIOLOGY, (1994 Nov) 176 (22) 6795-801.
Journal code: HH3; 2985120R. ISSN: 0021-9193.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199412
ENTRY DATE: Entered STN: 19950110
Last Updated on STN: 19960129
Entered Medline: 19941216

L4 ANSWER 46 OF 77 MEDLINE
ACCESSION NUMBER: 94171016 MEDLINE
DOCUMENT NUMBER: 94171016 PubMed ID: 8125283
TITLE: Use of the rep technique for allele replacement to
construct new **Escherichia coli** hosts
for maintenance of **R6K** gamma origin
plasmids at different copy numbers.
AUTHOR: Metcalf W W; Jiang W; Wanner B L
CORPORATE SOURCE: Department of Biological Sciences, Purdue University, West
Lafayette, IN 47907.
SOURCE: GENE, (1994 Jan 28) 138 (1-2) 1-7.
Journal code: FOP; 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199404
ENTRY DATE: Entered STN: 19940420
Last Updated on STN: 19950307
Entered Medline: 19940414

L4 ANSWER 47 OF 77 MEDLINE
ACCESSION NUMBER: 94012772 MEDLINE
DOCUMENT NUMBER: 94012772 PubMed ID: 8408040
TITLE: Autoregulation-deficient mutant of the **plasmid**
R6K-encoded pi protein distinguishes between
palindromic and nonpalindromic binding sites.
AUTHOR: York D; Filutowicz M
CORPORATE SOURCE: Department of Bacteriology, University of Wisconsin,
Madison 53706.
CONTRACT NUMBER: GM 40314 (NIGMS)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1993 Oct 15) 268 (29)

21854-61.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199311
ENTRY DATE: Entered STN: 19940117
Last Updated on STN: 19970203
Entered Medline: 19931118

L4 ANSWER 48 OF 77 MEDLINE
ACCESSION NUMBER: 93226707 MEDLINE
DOCUMENT NUMBER: 93226707 PubMed ID: 8469722
TITLE: New suicide vector for gene replacement in yersinia and other gram-negative bacteria.
AUTHOR: Skrzypek E; Haddix P L; Plano G V; Straley S C
CORPORATE SOURCE: Department of Microbiology and Immunology, Chandler Medical Center, University of Kentucky, Lexington 40536-0084.
CONTRACT NUMBER: A09509 (NIAID)
AI08525 (NIAID)
AI21017
+
SOURCE: PLASMID, (1993 Mar) 29 (2) 160-3.
Journal code: P8P; 7802221. ISSN: 0147-619X.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199305
ENTRY DATE: Entered STN: 19930521
Last Updated on STN: 19930521
Entered Medline: 19930507

L4 ANSWER 49 OF 77 MEDLINE
ACCESSION NUMBER: 92331952 MEDLINE
DOCUMENT NUMBER: 92331952 PubMed ID: 1628846
TITLE: Translational options for the **pir gene** of **plasmid R6K**: multiple forms of the **replication** initiator protein pi.
AUTHOR: York D; Ivanov V; Gan J; Filutowicz M
CORPORATE SOURCE: Department of Bacteriology, University of Wisconsin, Madison 53706.
CONTRACT NUMBER: GM40314 (NIGMS)
SOURCE: GENE, (1992 Jul 1) 116 (1) 7-12.
Journal code: FOP; 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199208
ENTRY DATE: Entered STN: 19920904
Last Updated on STN: 19920904
Entered Medline: 19920817

L4 ANSWER 50 OF 77 MEDLINE
ACCESSION NUMBER: 92178977 MEDLINE
DOCUMENT NUMBER: 92178977 PubMed ID: 1627205
TITLE: Roles of a 106-bp origin enhancer and **Escherichia coli** DnaA protein in **replication** of **plasmid R6K**.
AUTHOR: Wu F; Goldberg I; Filutowicz M
CORPORATE SOURCE: Department of Bacteriology, University of Wisconsin, Madison 53706.

CONTRACT NUMBER: GM40314 (NIGMS)
SOURCE: NUCLEIC ACIDS RESEARCH, (1992 Feb 25) 20 (4) 811-7.
Journal code: O8L; 0411011. ISSN: 0305-1048.
PUB. COUNTRY: ENGLAND: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199204
ENTRY DATE: Entered STN: 19920424
Last Updated on STN: 19970203
Entered Medline: 19920406

L4 ANSWER 51 OF 77 MEDLINE
ACCESSION NUMBER: 87092304 MEDLINE
DOCUMENT NUMBER: 87092304 PubMed ID: 3540947
TITLE: Positive and negative roles of an initiator protein at an origin of **replication**.
AUTHOR: Filutowicz M; McEachern M J; Helinski D R
CONTRACT NUMBER: AI-07194 (NIAID)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1986 Dec) 83 (24) 9645-9.
Journal code: PV3; 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198702
ENTRY DATE: Entered STN: 19900302
Last Updated on STN: 19970203
Entered Medline: 19870206

L4 ANSWER 52 OF 77 MEDLINE
ACCESSION NUMBER: 86250913 MEDLINE
DOCUMENT NUMBER: 86250913 PubMed ID: 3013894
TITLE: **Replication** from one of the three origins of the **plasmid R6K** requires coupled expression of two **plasmid**-encoded proteins.
AUTHOR: Mukhopadhyay P; Filutowicz M; Helinski D R
CONTRACT NUMBER: AI-07194 (NIAID)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1986 Jul 15) 261 (20) 9534-9.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198608
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19990129
Entered Medline: 19860813

L4 ANSWER 53 OF 77 MEDLINE
ACCESSION NUMBER: 86200208 MEDLINE
DOCUMENT NUMBER: 86200208 PubMed ID: 3009827
TITLE: Binding of purified wild-type and mutant pi initiation proteins to a **replication** origin region of **plasmid R6K**.
AUTHOR: Filutowicz M; Uhlenhopp E; Helinski D R
CONTRACT NUMBER: AI-07194
SOURCE: JOURNAL OF MOLECULAR BIOLOGY, (1986 Jan 20) 187 (2) 225-39.
Journal code: J6V; 2985088R. ISSN: 0022-2836.
PUB. COUNTRY: ENGLAND: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English

FILE SEGMENT: Priority Journals
ENTRY MONTH: 198606
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19990129
Entered Medline: 19860613

L4 ANSWER 54 OF 77 MEDLINE
ACCESSION NUMBER: 86081740 MEDLINE
DOCUMENT NUMBER: 86081740 PubMed ID: 3000771
TITLE: A single amino acid alteration in the initiation protein is responsible for the DNA overproduction phenotype of copy number mutants of **plasmid R6K**.
AUTHOR: Inuzuka M; Wada Y
SOURCE: EMBO JOURNAL, (1985 Sep) 4 (9) 2301-7.
Journal code: EMB; 8208664. ISSN: 0261-4189.
PUB. COUNTRY: ENGLAND: United Kingdom
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Y00768
ENTRY MONTH: 198602
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19980206
Entered Medline: 19860207

L4 ANSWER 55 OF 77 MEDLINE
ACCESSION NUMBER: 83299999 MEDLINE
DOCUMENT NUMBER: 83299999 PubMed ID: 6310578
TITLE: Release of initiation control by a mutational alteration in the **R6K** pi protein required for **plasmid** DNA replication.
AUTHOR: Stalker D M; Filutowicz M; Helinski D R
CONTRACT NUMBER: AL-07194
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1983 Sep) 80 (18) 5500-4.
Journal code: PV3; 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198310
ENTRY DATE: Entered STN: 19900319
Last Updated on STN: 19970203
Entered Medline: 19831021

L4 ANSWER 56 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)
ACCESSION NUMBER: 1998:4007 SCISEARCH
THE GENUINE ARTICLE: YK825
TITLE: Two forms of **replication** initiator protein: Positive and negative controls
AUTHOR: Wu J Z; Sektas M; Chen D Z; Filutowicz M (Reprint)
CORPORATE SOURCE: UNIV WISCONSIN, DEPT BACTERIOL, EB FRED HALL, 1550 LINDEN DR, MADISON, WI 53706 (Reprint); UNIV WISCONSIN, DEPT BACTERIOL, MADISON, WI 53706; UNIV WISCONSIN, MCARDLE LAB CANC RES, MADISON, WI 53706
COUNTRY OF AUTHOR: USA
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (9 DEC 1997) Vol. 94, No. 25, pp. 13967-13972.
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC 20418.
ISSN: 0027-8424.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE

LANGUAGE: English
REFERENCE COUNT: 51

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 57 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 94:728792 SCISEARCH

THE GENUINE ARTICLE: PQ984

TITLE: BINDING OF DNAA PROTEIN TO A **REPLICATION**
ENHANCER COUNTERACTS THE INHIBITION OF **PLASMID**
R6K GAMMA-ORIGIN **REPLICATION** MEDIATED BY
ELEVATED LEVELS OF **R6K** PI-PROTEIN

AUTHOR: WU F; LEVCHENKO I; FILUTOWICZ M (Reprint)
CORPORATE SOURCE: UNIV WISCONSIN, DEPT BACTERIOL, EB FRED HALL, 1550 LINDEN
DR, MADISON, WI, 53706 (Reprint); UNIV WISCONSIN, DEPT
BACTERIOL, MADISON, WI, 53706

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BACTERIOLOGY, (NOV 1994) Vol. 176, No. 22, pp.
6795-6801.

ISSN: 0021-9193.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 58

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 58 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 94:186223 SCISEARCH

THE GENUINE ARTICLE: NA661

TITLE: USE OF THE REP TECHNIQUE FOR ALLELE REPLACEMENT TO
CONSTRUCT NEW **ESCHERICHIA-COLI** HOSTS
FOR MAINTENANCE OF **R6K**-GAMMA ORIGIN
PLASMIDS AT DIFFERENT COPY NUMBERS

AUTHOR: METCALF W W; JIANG W H; WANNER B L (Reprint)
CORPORATE SOURCE: PURDUE UNIV, DEPT BIOL SCI, W LAFAYETTE, IN, 47907
(Reprint); PURDUE UNIV, DEPT BIOL SCI, W LAFAYETTE, IN,
47907

COUNTRY OF AUTHOR: USA

SOURCE: GENE, (28 JAN 1994) Vol. 138, No. 1-2, pp. 1-7.
ISSN: 0378-1119.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 31

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 59 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 93:647948 SCISEARCH

THE GENUINE ARTICLE: MC809

TITLE: AUTOREGULATION-DEFICIENT MUTANT OF THE **PLASMID**
R6K-ENCODED PI-PROTEIN DISTINGUISHES BETWEEN
PALINDROMIC AND NONPALINDROMIC BINDING-SITES

AUTHOR: YORK D; FILUTOWICZ M (Reprint)
CORPORATE SOURCE: UNIV WISCONSIN, DEPT BACTERIOL, EB FRED HALL, 1550 LINDEN
DR, MADISON, WI, 53706

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (15 OCT 1993) Vol. 268,
No. 29, pp. 21854-21861.

ISSN: 0021-9258.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 41

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 60 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 92:719273 SCISEARCH

THE GENUINE ARTICLE: KB098

TITLE: A SMALL **PLASMID** FOR RECOMBINATION-BASED SCREENING

AUTHOR: HANZLIK A J; OSEMLAKHANZLIK M M; KURNIT D M (Reprint)

CORPORATE SOURCE: UNIV MICHIGAN, MED CTR, HOWARD HUGHES MED INST, DEPT PEDIAT, 1150 W MED CTR DR, ANN ARBOR, MI, 48109; UNIV MICHIGAN, MED CTR, HOWARD HUGHES MED INST, DEPT HUMAN GENET, ANN ARBOR, MI, 48109

COUNTRY OF AUTHOR: USA

SOURCE: GENE, (01 DEC 1992) Vol. 122, No. 1, pp. 171-174. ISSN: 0378-1119.

DOCUMENT TYPE: Note; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 15

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 61 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 92:435139 SCISEARCH

THE GENUINE ARTICLE: JD840

TITLE: TRANSLATION OPTIONS FOR THE **PIR GENE** OF **PLASMID R6K** - MULTIPLE FORMS OF THE **REPLICATION** INITIATOR PROTEIN-PI

AUTHOR: YORK D (Reprint); IVANOV V; GAN J; FILUTOWICZ M

CORPORATE SOURCE: UNIV WISCONSIN, DEPT BACTERIOL, 1550 LINDEN DR, MADISON, WI, 53706 (Reprint)

COUNTRY OF AUTHOR: USA

SOURCE: GENE, (01 JUL 1992) Vol. 116, No. 1, pp. 7-12. ISSN: 0378-1119.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 29

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 62 OF 77 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 92:147913 SCISEARCH

THE GENUINE ARTICLE: HG350

TITLE: ROLES OF A 106-BP ORIGIN ENHANCER AND **ESCHERICHIA -COLI** DNAA PROTEIN IN **REPLICATION** OF **PLASMID R6K**

AUTHOR: WU F; GOLDBERG I; FILUTOWICZ M (Reprint)

CORPORATE SOURCE: UNIV WISCONSIN, DEPT BACTERIOL, 1550 LINDEN DR, MADISON, WI, 53706

COUNTRY OF AUTHOR: USA

SOURCE: NUCLEIC ACIDS RESEARCH, (25 FEB 1992) Vol. 20, No. 4, pp. 811-817.

ISSN: 0305-1048.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 55

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 63 OF 77 USPATFULL

ACCESSION NUMBER: 2001:134027 USPATFULL

TITLE: CIRCULAR DNA MOLECULE WITH CONDITIONAL ORIGIN OF **REPLICATION**, METHOD FOR PREPARING THE SAME AND USE THEREOF IN GENE THERAPY

INVENTOR(S): CROUZET, JOEL, SCEAUX, France
SOUBRIER, FABIENNE, THIAIS, France

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001014476	A1	20010816
APPLICATION INFO.:	US 1998-43193	A1	19980313 (9)
	WO 1996-FR1414		19960913
			None PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1995-10825	19950915
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT &, DUNNER, LLP, 1300 I STREET NW, WASHINGTON, DC, 200053315	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Page(s)	
LINE COUNT:	1788	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L4 ANSWER 64 OF 77 USPATFULL
 ACCESSION NUMBER: 2001:102385 USPATFULL
 TITLE: Attenuated auxotrophic microorganisms having a combination of non-attenuating mutations and method for making same
 INVENTOR(S): Mekalanos, John J., Cambridge, MA, United States
 Klose, Karl E., Newton, MA, United States
 PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6254874	B1	20010703
APPLICATION INFO.:	US 1995-421207		19950413 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Housel, James C.		
ASSISTANT EXAMINER:	Ryan, V.		
LEGAL REPRESENTATIVE:	Hogan & Hartson LLP, Petersen, Steven C.		
NUMBER OF CLAIMS:	57		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1602		

L4 ANSWER 65 OF 77 USPATFULL
 ACCESSION NUMBER: 2000:7170 USPATFULL
 TITLE: Identification of genes
 INVENTOR(S): Holden, David William, London, United Kingdom
 PATENT ASSIGNEE(S): Imperial College Innovations Limited, London, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6015669		20000118
APPLICATION INFO.:	US 1997-871355		19970609 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1995-GB2875, filed on 11 Dec 1995		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1994-24921	19941209
	GB 1995-1881	19950131
	GB 1995-9239	19950505
	WO 1995-GB2875	19951211

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Marschel, Ardin H.
 ASSISTANT EXAMINER: Whisenant, Ethan
 LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
 NUMBER OF CLAIMS: 26
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 116 Drawing Figure(s); 112 Drawing Page(s)
 LINE COUNT: 7898
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 66 OF 77 USPATFULL
 ACCESSION NUMBER: 2000:1744 USPATFULL
 TITLE: Salmonella virulence genes
 INVENTOR(S): Miller, III, Samuel I., Brookline, MA, United States
 Mekalanos, John J., Cambridge, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6010901		20000104
APPLICATION INFO.:	US 1995-475749		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-90526, filed on 9 Jul 1993, now patented, Pat. No. US 5599537 which is a continuation-in-part of Ser. No. US 1990-629602, filed on 18 Dec 1990, now abandoned		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Elliott, George C.
 ASSISTANT EXAMINER: Schwartzman, Robert
 LEGAL REPRESENTATIVE: Fish & Richardson P.C.
 NUMBER OF CLAIMS: 25
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Figure(s); 4 Drawing Page(s)
 LINE COUNT: 2435
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 67 OF 77 USPATFULL
 ACCESSION NUMBER: 1999:146344 USPATFULL
 TITLE: Bacterial catabolism of chitin
 INVENTOR(S): Roseman, Saul, Baltimore, MD, United States
 Bassler, Bonnie, Princeton, NJ, United States
 Keyhani, Nemat O., Baltimore, MD, United States
 Chitlaru, Edith, Rehovot, Israel
 Yu, Charles, Lutherville, MD, United States
 PATENT ASSIGNEE(S): The Johns Hopkins University, Baltimore, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5985644		19991116
APPLICATION INFO.:	US 1996-600452		19960213 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-386727, filed on 13 Feb 1995		

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Wax, Robert A.
 ASSISTANT EXAMINER: Saidha, Tekchand
 LEGAL REPRESENTATIVE: Buckley, Linda M., Buchanan, Robert L. Dike, Bronstein, Roberts & Cushman, LLP
 NUMBER OF CLAIMS: 6

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 2487
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 68 OF 77 USPATFULL
ACCESSION NUMBER: 1999:27395 USPATFULL
TITLE: Identification of genes
INVENTOR(S): Holden, David William, London, United Kingdom
PATENT ASSIGNEE(S): RPMS Technology Limited, London, United Kingdom
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5876931		19990302
	WO 9617951		19760613
APPLICATION INFO.:	US 1997-637759		19970719 (8)
	WO 1995-GB2875		19951211
			19970719 PCT 371 date
			19970719 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1994-24921	19941209
	GB 1995-1881	19950131
	GB 1995-9239	19950505
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Degen, Nancy	
ASSISTANT EXAMINER:	Schwartzman, Robert	
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory LLP	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	119 Drawing Figure(s); 112 Drawing Page(s)	
LINE COUNT:	6165	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 69 OF 77 USPATFULL
ACCESSION NUMBER: 1998:159741 USPATFULL
TITLE: Rapid subcloning using site-specific recombination
INVENTOR(S): Elledge, Stephen J., Houston, TX, United States
Liu, Qinghua, Houston, TX, United States
PATENT ASSIGNEE(S): Baylor College of Medicine, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5851808		19981222
APPLICATION INFO.:	US 1997-864224		19970228 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Railey, II, Johnny F.		
LEGAL REPRESENTATIVE:	Medlen & Carroll, LLP		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	2369		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 70 OF 77 USPATFULL
ACCESSION NUMBER: 1998:150449 USPATFULL
TITLE: Salmonella vaccines
INVENTOR(S): Miller, Samuel I., Seattle, WA, United States
Mekalanos, John J., Cambridge, MA, United States

PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MS, United States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge, MS, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5843426		19981201
APPLICATION INFO.:	US 1995-565861		19951201 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-271354, filed on 6 Jul 1994, now patented, Pat. No. US 5695983 which is a continuation-in-part of Ser. No. US 1993-90526, filed on 9 Jul 1993, now patented, Pat. No. US 5599537 which is a continuation-in-part of Ser. No. US 1990-629602, filed on 18 Dec 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	LeGuvader, John L.		
ASSISTANT EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Fish & Richardson P.C.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	25 Drawing Figure(s); 20 Drawing Page(s)		
LINE COUNT:	4505		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 71 OF 77 USPATFULL

ACCESSION NUMBER: 1998:95423 USPATFULL
 TITLE: Bacterial catabolism of chitin
 INVENTOR(S): Roseman, Saul, Baltimore, MD, United States
 Bassler, Bonnie, Princeton, NJ, United States
 Keyhani, Nemat O., Baltimore, MD, United States
 Chitlaru, Edith, Rehovot, Israel
 Rowe, Chris, Timonium, MD, United States
 Yu, Charles, Lutherville, MD, United States
 PATENT ASSIGNEE(S): The Johns Hopkins University, Baltimore, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5792647		19980811
APPLICATION INFO.:	US 1995-386727		19950213 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Prouty, Rebecca E.		
LEGAL REPRESENTATIVE:	Fish & Richardson, P.C.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	3		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	1952		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 72 OF 77 USPATFULL

ACCESSION NUMBER: 1998:30907 USPATFULL
 TITLE: Salmonella virulence genes
 INVENTOR(S): Miller, III, Samuel I., Brookline, MA, United States
 Mekalanos, John J., Cambridge, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5731196 19980324
 APPLICATION INFO.: US 1995-476100 19951006 (8)
 RELATED APPLN. INFO.: Division of Ser. No. US 1993-90526, filed on 9 Jul 1993
 which is a continuation-in-part of Ser. No. US
 1990-629602, filed on 18 Dec 1990, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Degen, Nancy
 ASSISTANT EXAMINER: Latimer, Matthew
 LEGAL REPRESENTATIVE: Fish & Richardson P.C.
 NUMBER OF CLAIMS: 14
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Figure(s); 4 Drawing Page(s)
 LINE COUNT: 2399
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 73 OF 77 USPATFULL

ACCESSION NUMBER: 97:115147 USPATFULL
 TITLE: Salmonella vaccines
 INVENTOR(S): Miller, Samuel I., Brookline, MA, United States
 Mekalanos, John J., Cambridge, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United
 States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge,
 MA, United States (U.S. corporation)

NUMBER	KIND	DATE
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US 5695983		19971209
US 1994-271354		19940706 (8)
Continuation-in-part of Ser. No. US 1993-90526, filed on 9 Jul 1993, now patented, Pat. No. US 5599537 which is a continuation-in-part of Ser. No. US 1990-629602, filed on 18 Dec 1990, now abandoned		
DOCUMENT TYPE: Utility		
FILE SEGMENT: Granted		
PRIMARY EXAMINER: Ketter, James		
ASSISTANT EXAMINER: Brusca, John S.		
LEGAL REPRESENTATIVE: Fish & Richardson P.C.		
NUMBER OF CLAIMS: 5		
EXEMPLARY CLAIM: 1		
NUMBER OF DRAWINGS: 25 Drawing Figure(s); 20 Drawing Page(s)		
LINE COUNT: 3780		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L4 ANSWER 74 OF 77 USPATFULL

ACCESSION NUMBER: 97:91398 USPATFULL
 TITLE: Salmonella virulence genes
 INVENTOR(S): Miller, III, Samuel I., Brookline, MA, United States
 Mekalanos, John J., Cambridge, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United
 States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge,
 MA, United States (U.S. corporation)

NUMBER	KIND	DATE
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US 5674736		19971007
US 1995-486719		19950607 (8)
Division of Ser. No. US 1993-90526, filed on 9 Jul 1993, now patented, Pat. No. US 5599537 which is a continuation-in-part of Ser. No. US 1990-629602, filed on 18 Dec 1990, now abandoned		
DOCUMENT TYPE: Utility		

FILE SEGMENT: Granted
 PRIMARY EXAMINER: Degen, Nancy
 LEGAL REPRESENTATIVE: Fish & Richardson P.C.
 NUMBER OF CLAIMS: 11
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 6 Drawing Figure(s); 4 Drawing Page(s)
 LINE COUNT: 2367
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 75 OF 77 USPATFULL
 ACCESSION NUMBER: 97:91386 USPATFULL
 TITLE: Salmonella virulence genes
 INVENTOR(S): Miller, III, Samuel I., Brookline, MA, United States
 Mekalanos, John J., Cambridge, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5674724		19971007
APPLICATION INFO.:	US 1995-486715		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-90526, filed on 9 Jul 1993, now patented, Pat. No. US 5599537 which is a continuation-in-part of Ser. No. US 1990-629602, filed on 18 Dec 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Degen, Nancy		
LEGAL REPRESENTATIVE:	Fish & Richardson P.C.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	2334		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L4 ANSWER 76 OF 77 USPATFULL
 ACCESSION NUMBER: 97:9774 USPATFULL
 TITLE: Salmonella virulence genes
 INVENTOR(S): Miller, III, Samuel I., Brookline, MA, United States
 Mekalanos, John J., Cambridge, MA, United States
 PATENT ASSIGNEE(S): The General Hospital Corporation, Boston, MA, United States (U.S. corporation)
 President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5599537		19970204
APPLICATION INFO.:	US 1993-90526		19930709 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-629602, filed on 18 Dec 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fleisher, Mindy		
ASSISTANT EXAMINER:	Carter, Philip W.		
LEGAL REPRESENTATIVE:	Fish & Richardson P.C.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	2312		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L4 ANSWER 77 OF 77 USPATFULL

ACCESSION NUMBER: 95:64835 USPATFULL

TITLE:

INVENTOR(S):

In vivo selection of microbial virulence genes
Mahan, Michael J., West Roxbury, MA, United States
Mekalanos, John J., Cambridge, MA, United States
Slauch, James M., Natick, MA, United States
President and Fellows of Harvard College, Cambridge,
MA, United States (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5434065		19950718
APPLICATION INFO.:	US 1993-58299		19930506 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Mosher, Mary E.		
LEGAL REPRESENTATIVE:	Petersen, Steven C.	Chrisman, Bynum & Johnson	
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8	Drawing Figure(s); 7	Drawing Page(s)
LINE COUNT:	1353		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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